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RESEARCH INTERESTS

- (1) Galaxy evolution and formation, star formation, chemical enrichment, diagnostic spectroscopy
- (2) Extragalactic radio jets on sub-parsec scales, high-resolution very long baseline interferometry

EDUCATION

University of California, Los Angeles, **Ph.D.**, Astronomy 2010  
 Advisor: Matthew A. Malkan  
 Thesis: “*The Universe as Viewed from Star-forming Galaxies over the Past 10 Billion Years*”

University of California, Los Angeles, **M.Sc.**, Astronomy, *Summa Cum Laude* 2006  
 Advisor: Matthew A. Malkan  
 Thesis: “*The Luminosity Function and Star Formation Rate between Redshifts of 0.07 and 1.47 for Narrowband Emitters in the Subaru Deep Field*”

University of Arizona, Tucson, **B.Sc.**, Astronomy and Physics, *Magna Cum Laude* 2004

RESEARCH APPOINTMENTS

NASA Postdoctoral Fellow, NASA GSFC (Advisor: Jane Rigby)	10/2013 – present
Visiting Fellow, STScI	10/2013
Giacconi Postdoctoral Fellow, STScI (Advisor: Ron Allen)	09/2010 – 10/2013
NASA Graduate Student Research Program (GSRP) Fellow, UCLA/JPL (Advisors: Daniel Stern and Leonidas Moustakas)	09/2008 – 08/2010
Summer Graduate Student Researcher, Carnegie Observatories	06/2008 – 09/2008
Graduate Student Researcher, UCLA	03/2005 – 06/2008
Graduate Summer Researcher, NRAO–Socorro	06/2004 – 09/2004
NASA Arizona Space Grant Researcher, NOAO–Tucson	08/2003 – 05/2004
NSF REU Summer Researcher, NRAO–Socorro	06/2003 – 08/2003

HONORS AND AWARDS

2013 – NASA Postdoctoral Fellowship, NASA GSFC  
 2010 – Giacconi Postdoctoral Fellowship, STScI  
 2009 – Chambliss Astronomy Achievement Student Award, American Astronomical Society  
 2008 – Graduate Student Research Fellowship, NASA  
 2008 – Incentive Award for Extramural Funding, UCLA's Astronomy Department  
 2006 – Graduate Research Mentorship Award, UCLA  
 2005 – Departmental Outstanding Teaching Award, UCLA  
 2004 – Eugene V. Cota-Robles Fellowship, UCLA  
 2003 – Galileo Circle Scholarship, U. Arizona  
 2002 – Fred and Ida McCormick Scholarship, U. Arizona

2002 – *San Diego Astronomy Association's Lucas Scholarship*, U. Arizona

2001 – *Phi Eta Sigma National Honor Society*, U. Arizona

### SERVICE

Referee for *Astrophysical Journal*, *Astrophysical Journal Letters*

Referee for *Astronomy & Astrophysics*

NASA Astrophysics Data Analysis Program (ADAP), Peer Reviewer 2015

*Hubble Space Telescope* Time Allocation Committee, Peer Reviewer 2014 (Cycle 22)

CFHT (Taiwan) Time Allocation, External Referee 2012–2014

China Telescope Access Program, External Referee 2013, 2015

*Hubble Space Telescope* Time Allocation Committee, Support Staff 2011, 2012

Postdoctoral Researcher Mentoring Committee for STScI 2011 – 2012

JHU-STScI CoolSci/HotSci Colloquium, Organizer for STScI 2011

JHU-STScI Wine and Cheese Talk Series, Organizer for STScI 2011

STScI/JHU Very Wide Field Surveys Conference, Local organizer 2011

### ADVISORSHIP AND EDUCATIONAL PUBLIC OUTREACH

Summary: I have mentored six undergraduate students and one data analyst with in-person interactions on a regular basis

NASA's Hubble 25<sup>th</sup> Anniversary Family Day Event 2015

Answered questions from the general public at Smithsonian's National Air and Space Museum (Steven F. Udvar-Hazy Center)

Kaitlyn Shin, Stanford University, NASA Summer Student 2015

Mentored for 10 weeks on studying the environment effects on star-forming galaxies.

Mithi de los Reyes, North Carolina State University, STScI Summer Student 2013

Mentored for over a year on analyzing spectra. Project has culminated into a first-author peer-review paper in the *Astronomical Journal* for Mithi.

Bryan Hilbert, Senior Research Instrument Analyst at STScI 2013

Advised for several months on reduction of ground-based near-infrared imaging data.

[Project ASTRO](#) 2011 – 2013

I visited a public school and spoke with over 100 4<sup>th</sup> and 5<sup>th</sup> graders about astronomy throughout the academic year.

Jesse Feddersen, Indiana University, STScI Summer Student 2012

Mentored for 10 weeks on analyzing spectra. Attending Yale for Astronomy Ph.D.

Mary Christian, undergraduate student at UCLA 2009

Mentored for 10 weeks on analyzing spectra.

Celestine Grady, undergraduate student at UCLA 2007 – 2008

Mentored for a year on data reduction. Her work has contributed toward at least two co-authored papers. She received a M.Sc. from U. California–Davis.

Christopher Rodriguez, undergraduate student at UCLA 2005 – 2007

Mentored for two years on space-based data reduction and analysis.

TEACHING EXPERIENCE

<i>Guest Lecturer, “The Gaseous Interstellar Medium” (UCLA)</i>	Spring 2009
Graduate-level course. Discussed nebular emission from ionized gas.	
<i>Teaching Assistant, “Astrophysics II: Stellar Evolution and Galaxies” (UCLA)</i>	Spring 2005
A required course offered for astronomy and physics majors. Led weekly discussions and created in-course laboratory assignments for a classroom of ~30 students.	
Received an Outstanding Teaching Award in 2005.	
<i>Teaching Assistant, “Astrophysics I: Stars and Nebulae” (UCLA)</i>	Winter 2005
A required course offered for astronomy and physics majors. Led weekly discussions and created in-course laboratory assignments for a classroom of ~30 students	
<i>Teaching Assistant, “Nature of the Universe” (UCLA)</i>	Fall 2004
An introductory astronomy course for non-science majors. Led weekly discussions and laboratory exercises for a classroom of ~30 students.	

PROFESSIONAL AFFILIATIONS

Member, American Astronomical Society	2004 – present
Member, Subaru Deep Field Science Collaboration	2005 – present
Member, NewH $\alpha$ Survey Science Collaboration	2008 – present

GRANTS AND OBSERVING PROPOSALS

Summary: Over 34 telescope nights approved as PI or Science PI, and nearly the equivalent of ~154 nights in total. Approximately \$288,000 in grants have been awarded as PI or Science PI.

Observatory	Instrument	Nights/Hours as PI or Science PI	Total Nights or Hours	Number of Proposals
<i>Hubble</i>	WFC3	–	20 orbits	1
<i>Spitzer</i>	IRAC	16.5 hr	16.5 hr	1
10-m Keck I	MOSFIRE	1	4.5	3
10-m Keck II	DEIMOS	4	10	6
10-m Keck II	NIRSPEC	1	1	1
8.2-m Subaru	FMOS	7	13	6
8.2-m Subaru	Suprime-Cam	–	9.5	4
8.2-m Subaru	MOIRCS	–	4	2
8.2-m Subaru	FOCAS	–	2	1
8.2-m Subaru	IRCS+A0188	–	0.5	1
6.5-m Magellan	FourStar	–	4	1
6.5-m MMT	Hectospec	3.5	3.5	3
4-m Kitt Peak–Mayall	NEWFIRM	8	21	6
4-m Kitt Peak–Mayall	MOSAIC	2	2	1

4-m Cerro Tololo–Blanco	NEWFIRM	5	14	2
4-m UKIRT	WFCAM	–	4	2
ALMA	450,880,1100 $\mu$ m	–	1.1 hr	1
CARMA	1.3mm imaging	–	10 hr	1
SMA	1100 $\mu$ m imaging	–	1	1
NRAO VLBA	7mm imaging	9 hr	561 hr	13
NRAO VLA	21-cm imaging	–	28 hr	1

Role	Source	Name	Year	Amount
PI	NASA	<i>Spitzer</i> GO program	2015	\$10,000
Co-I	NASA	<i>Hubble</i> GO program	2015	TBD
Science PI	NASA	Astrophysics Data Analysis Program	2015	\$104,400
PI	NASA	Keck PI grant	2015	\$16,000
PI	NASA	Keck PI grant	2015	\$13,000
PI	NASA	Postdoctoral Fellowship Travel Grant	2015	\$8,000
PI	NASA	Keck PI grant	2014	\$12,750
PI	NASA	Postdoctoral Fellowship Travel Grant	2014	\$8,000
PI	NASA	Postdoctoral Fellowship Travel Grant	2013	\$8,000
PI	NASA	Giacconi Fellowship Start-up Grant	2010	\$48,000
Science PI	NASA	Graduate Student Researcher Fellowship	2009	\$30,000
Science PI	NASA	Graduate Student Researcher Fellowship	2008	\$30,000

#### PUBLICATIONS (As of June 20, 2016)

35 peer-review papers, 13 are first-authored

1624 citations to peer-review papers, 416 citations to first-authored papers

Hirsch *h*-index: 21 papers with  $\geq 21$  citations

A complete list of publications can be found here: <http://asd.gsfc.nasa.gov/Chun.Ly/Bib.pdf>

#### REFERENCES

*Matthew A. Malkan*

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*Jane R. Rigby*

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*Janice C. Lee*

Associate Astronomer

Space Telescope Science Institute

email: [jlee@stsci.edu](mailto:jlee@stsci.edu)

*Buell T. Jannuzi*

Department Head, Director of Steward Observatory

Univ. of Arizona/Steward Observatory

email: [buelljannuzi@email.arizona.edu](mailto:buelljannuzi@email.arizona.edu)

TALKS

## Invited Talks or Colloquia:

Event	Date
Invited: Special talk, Internal Council of UNAM-Institute of Astronomy (Mexico City, Mexico)	11/2015
Invited: <i>NASA Sciences and Exploration Directorate Seminar</i> (Greenbelt, MD)	06/2014
<i>Shanghai Astronomical Observatory Colloquium</i> (Shanghai, China)	03/2014
Invited: <i>NAOJ Subaru Seminar</i> (Hilo, HI)	03/2014
<i>JHU-STScI HotSci Colloquium</i> (Baltimore, MD)	07/2013
Invited: <i>Hubble Fellows Symposium</i> (Baltimore, MD)	03/2013
Invited: <i>Dark Cosmology Centre</i> (Copenhagen, Denmark)	01/2013
Invited: <i>NAOJ Subaru Seminar</i> (Hilo, HI)	04/2012
Invited: <i>ASU Cosmology Seminar</i> (Tempe, AZ)	03/2012
<i>JHU-STScI HotSci Colloquium</i> (Baltimore, MD)	08/2011
<i>CTIO Science Colloquium</i> (La Serena, Chile)	03/2011
Invited: <i>JPL Astrophysics Lunch Talk Series</i> (Pasadena, CA)	06/2008
Invited: <i>NOAO Scientific Lunch Talk Series</i> (Tucson, AZ)	04/2007

## Conference Talks:

Event	Date
<i>Galaxy of Many Colours Conference</i> (Marstrand, Sweden)	06/2015
<i>AAS 225<sup>th</sup> Meeting</i> (Seattle, WA)	01/2015
<i>Keck Science Meeting</i> (Pasadena, CA)	10/2014
<i>European Week of Astronomy and Space Sciences</i> (Geneva, Switzerland)	07/2014
<i>AAS 223<sup>rd</sup> Meeting</i> (Washington, DC)	01/2014
<i>AAS 221<sup>st</sup> Meeting</i> (Long Beach, CA)	01/2013
<i>AAS 215<sup>th</sup> Meeting Dissertation Talk</i> (Washington, DC)	01/2010
<i>Harvesting the Redshift Desert Conference</i> (Marseille, France)	07/2009

## Seminars and Other Talks (Since 2010):

Event	Date
<i>STScI Galaxy Journal Club</i> (Baltimore, MD)	03/2016
<i>East Asian Observatory Seminar</i> (Hilo, HI)	03/2015
<i>University of Maryland CARMA Seminar</i> (College Park, MD)	11/2014
<i>STScI Galaxy Journal Club</i> (Baltimore, MD)	11/2014

<i>JHU CAS Wine and Cheese Seminar</i> (Baltimore, MD)	11/2014
<i>NASA Goddard Stellar and Extragalactic Astronomy Lunch</i> (Greenbelt, MD)	12/2012
<i>NOAO Scientific Lunch Talk</i> (Tucson, AZ)	03/2012

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